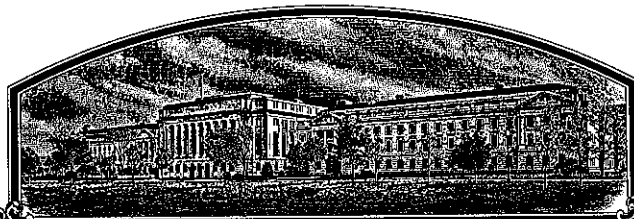


No.



9700350

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Pioneer Hi-Bred International, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'25W33'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirtieth day of September in the year of our Lord one thousand nine hundred and ninety-seven.

Attest:

Manda A. [Signature]  
Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

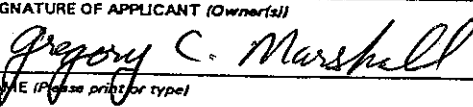
[Signature]  
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).

**APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**  
(Instructions and information collection burden statement on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Pioneer Hi-Bred International, Inc.			25W33
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)		5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER 9700350 DATE 9700350 6/25/97 FILING AND EXAMINATION FEE \$2150.00 DATE 6/25/97 CERTIFICATION FEE \$300.00 DATE 09/08/97
Research and Product Development Wheat Research 3850 N. 100 E. Windfall, IN 46076		6. FAX (include area code) (765) 945-8313	
7. GENUS AND SPECIES NAME	8. FAMILY NAME (Botanical)		
<u>Triticum aestivum</u>	gramineae		
9. CROP KIND NAME (Common name)			
Wheat			
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name)			
Corporation			
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	
Iowa		May 1926	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS			
Dr. Gregory C. Marshall Pioneer Hi-Bred International, Inc. Wheat Research 3850 N. 100 E. Windfall, IN 46076			
14. TELEPHONE (include area code)		15. FAX (include area code)	
(765) 945-7906		(765) 945-8313	
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)			
<input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository) <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)			
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)?			
<input type="checkbox"/> YES (If "yes," answer items 18 and 19 below) <input checked="" type="checkbox"/> NO (If "no," go to item 20)			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?	
<input type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES?			
<input type="checkbox"/> YES (If "yes," give names of countries and dates) <input checked="" type="checkbox"/> NO			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.			
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.			
Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
			
NAME (Please print or type)		NAME (Please print or type)	
Gregory C. Marshall			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Coordinator, North American Wheat Research	6/20/97		

**16A. Exhibit A. Origin and Breeding History of Pioneer Wheat Cultivar 25W33**

Pioneer® cultivar '25W33', a soft white winter wheat (*Triticum aestivum* L., em Thell.), was developed by Pioneer Hi-Bred International, Inc.. Using a pedigree selection breeding method, 25W33 was derived from the two parent cross:

2548/2555 sib.

The cross was made in the 1984 fall greenhouse cycle and designated WBF0659. The subsequent breeding history of 25W33 is described below.

<u>Year</u>	<u>Generation</u>	
1984	Final cross	
1985	F1	Grown in spring transplant nursery at Windfall, IN.
1985-86	F2	Bulk populations grown at Windfall and Ft. Branch, IN. Individual head selections made.
1986-87	F3	Headrows from F2 selections grown at Windfall and Ft. Branch, IN. Heads harvested from selected rows, this selection from Ft. Branch.
1987-88	F4	Headrows of F3 selections grown at Windfall and Ft. Branch, IN. Heads harvested from selected rows, this selection from Ft. Branch.
1988-89	F5	Headrows of F4 selections grown at Windfall and Ft. Branch, IN. Heads harvested from selected rows, this selection from Ft. Branch.
1989-90	F6	Headrows of F5 selections grown at Windfall and Ft. Branch, IN. Selected rows harvested and threshed individually. This selection from Ft. Branch.
1990-91	F7	Preliminary yield testing in white wheat test of F5 selection from F6 headrow. Selection designated WBF0659M5.
1991-92	F8	Advanced yield testing in white wheat test of WBF0659M5. Harvested 100 heads from small bulk increase.
1992-93	F9	Elite white wheat yield testing of WBF0659M5. 100 purification headrows grown. Offtype rows destroyed, remainder harvested and threshed individually. 200 heads harvested from remaining headrows prior to harvest.
1993-94	F10	Elite yield testing in white wheat trial continues. Seed from purification headrows planted in individual progeny plots which surround 200 headrows. Offtype progeny plots and headrows destroyed prior to harvest. 100 headrows harvested and threshed individually. About 1000 heads (total) harvested from remaining progeny plots. Progeny

plots harvested in bulk which constitutes Breeder Seed.  
Bulk seed and heads turned over to Pioneer's Parent Wheat  
Seed Production Dept..

1994-95	F11	Elite yield testing continues, designated 'YW741'. Pioneer Parent Wheat Seed Dept. continues increase.
1995-96	F12	Elite yield testing continues, designated 'XW741'. Pioneer Parent Wheat Seed Dept. continues increase.

Decision to release WBF0659M5 was made in August, 1996, at which time it was given the commercial code, 25W33.

The cultivar 25W33 was bred and selected at each generation for any or all of the following characteristics: disease resistance, plant type, plant height, head type, straw strength, maturity, grain yield, test weight, and milling and baking qualities.

25W33 has been observed to be uniform and stable since the 7<sup>th</sup> generation, or the last 6 generations. Variants are limited to slightly taller plants or awnless plants, neither at a frequency greater than 1/45,000 plants.

**16B. Exhibit B. Statement of Distinctness**

Pioneer cultivar 25W33 is most similar to Pioneer cultivar 2548, but with the following distinguishing characteristics:

- 1) Stem waxy bloom is absent on 25W33, but present on 2548.
- 2) The last internode of the rachis on 25W33 is hairy, while it is not on 2548.
- 3) The heads of 25W33 are dense, while those of 2548 are lax.
- 4) The seed color of 25W33 is white, while the seed color of 2548 is red.
- 5) The phenol reaction of 25W33 is dark brown, while that of 2548 is ivory.

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE DIVISION  
BELTSVILLE, MARYLAND 20705

EXHIBIT  
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY  
WHEAT (*Triticum* spp.)

NAME OF APPLICANT(S)

Pioneer Hi-Bred International, Inc.

ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)

Research and Product Development  
Wheat Research  
3850 N. 100 E.  
Windfall, IN 46076

FOR OFFICIAL USE ONLY

PVPO NUMBER

9700350

VARIETY NAME

25W33

TEMPORARY OR EXPERIMENTAL  
DESIGNATION

PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g.    or   ) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: Munsell Color Charts for Plant Tissues  
Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1

1=Common

2=Durum

3=Club

4=Other (SPECIFY) \_\_\_\_\_

2. VERNALIZATION:

2

1=Spring

2=Winter

3=Other (SPECIFY) \_\_\_\_\_

3. COLEOPTILE ANTHOCYANIN:

1

1=Absent

2=Present

4. JUVENILE PLANT GROWTH:

2

1=Prostrate

2=Semi-erect

3=Erect

5. PLANT COLOR (boot stage):

1

1 = Yellow-Green

2 = Green

3 = Blue-Green

6. FLAG LEAF (boot stage):

1

1 = Erect

2 = Recurved

2

1 = Not Twisted

2 = Twisted

7. EAR EMERGENCE:

Number of Days Earlier Than \_\_\_\_\_ \*

0  1

Number of Days Later Than 2548 \*

8. ANTER COLOR:

1

1 = YELLOW

2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns):

cm Taller Than \_\_\_\_\_ \*

0  2

cm Shorter Than 2548 \*

## 10. STEM:

9700350

## A. ANTHOCYANIN

☐ 1 = Absent      2 = Present

## B. WAXY BLOOM

☐ 1 = Absent      2 = Present

## C. HAIRINESS (last internode of rachis)

☐ 2 = Absent      2 = Present
D. INTERNODE (SPECIFY NUMBER) 4
☐ 1 = Hollow      2 = Semi-solid      3 = Solid

## E. PEDUNCLE

☐ 2 = Absent      2 = Present

☐ 32 cm Length

## 11. HEAD (at Maturity):

## A. DENSITY

☐ 3 = Lax      2 = Middense      3 = Dense

## B. SHAPE

☐ 4 = Tapering      2 = Strap      3 = Clavate      4 = Other (SPECIFY) Oblong

## C. CURVATURE

☐ 2 = Erect      2 = Inclined      3 = Recurved

## D. AWNEDNESS

☐ 4 = Awnless      2 = Apically Awnletted      3 = Awnletted      4 = Awned

## 12. GLUMES (at Maturity):

## A. COLOR

☐ 1 = White      2 = Tan      3 = Other (SPECIFY) \_\_\_\_\_

## B. SHOULDER

☐ 2 = Wanting      2 = Oblique      3 = Rounded      4 = Square      5 = Elevated      6 = Apiculate

## C. BEAK

☐ 3 = Obtuse      2 = Acute      3 = Acuminate

## D. LENGTH

☐ 1 = Short (ca. 7mm)      2 = Medium (ca. 8mm)      3 = Long (ca. 9mm)

## E. WIDTH

☐ 1 = Narrow (ca. 3mm)      2 = Medium (ca. 3.5mm)      3 = Wide (ca. 4mm)

## 13. SEED:

## A. SHAPE

☐ 1 = Ovate      2 = Oval      3 = Elliptical

## B. CHEEK

☐ 1 = Rounded      2 = Angular

## C. BRUSH

☐ 2 = Short      2 = Medium      3 = Long

☐ 1 = Not Collared      2 = Collared

## D. CREASE

☐ 1 = Width 60% or less of Kernel  
☐ 2 = Width 80% or less of Kernel  
☐ 3 = Width Nearly as Wide as Kernel

☐ 2 = Depth 20% or less of Kernel  
☐ 2 = Depth 35% or less of Kernel  
☐ 3 = Depth 50% or less of Kernel

## 13. SEED: (continued)

## E. COLOR

☐ 1

1 = White

2 = Amber

3 = Red

4 = Other (SPECIFY) \_\_\_\_\_

## F. TEXTURE

☐ 2

1=Hard

2=Soft

## G. PHENOL REACTION (see instructions):

☐ 4

1 = Ivory

2 = Fawn

3 = Light Brown

4 = Dark Brown

5 = Black

## 14. DISEASE:

(0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

Stem Rust (*Puccinia graminis* f. sp. *tritici*)☐ 2

General

Leaf Rust (*Puccinia recondita* f. sp. *tritici*)☐ 3

General

Stripe Rust (*Puccinia striiformis*)☐Loose Smut (*Ustilago tritici*)☐Tan Spot (*Pyrenophora tritici-repentis*)☐ 3

General

Flag Smut (*Urocystis agropyri*)☐Halo Spot (*Selenophoma donacis*)☐Common Bunt (*Tilletia tritici* or *T. laevis*)☐

Septoria nodorum (Glume Blotch)

☐ 3

General

Dwarf Bunt (*Tilletia controversa*)☐

Septoria avenae (Speckled Leaf Disease)

☐Karnal Bunt (*Tilletia indica*)☐

Septoria tritici (Speckled Leaf Blotch)

☐ 3

General

Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)☐ 2

General

Scab (*Fusarium* spp.)☐ 3

General

"Snow Molds"

☐

"Black Point" (Kernel Smudge)

☐Common Root Rot (*Fusarium*, *Cochliobolus* and *Bipolaris* spp.)☐

Barley Yellow Dwarf Virus (BYDV)

☐Rhizoctonia Root Rot (*Rhizoctonia solani*)☐

Soilborne Mosaic Virus (SBMV)

☐ 1

General

Black Chaff (*Xanthomonas campestris* pv. *translucens*)☐

Wheat Yellow (Spindle Streak) Mosaic Virus

☐ 3

General

Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*)☐

Wheat Streak Mosaic Virus (WSMV)

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐



15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant) Exhibit C (Wheat) Page

PLEASE SPECIFY BIOTYPE (where needed)

Hessian Fly (*Mayetiola destructor*)

☒

Biotypes B, C, E, and L.

Stem Sawfly (*Cephus* spp.)

☐

Cereal Leaf Beetle (*Oulema melanopa*)

☐

Russian Aphid (*Diuraphis noxia*)

☐

Greenbug (*Schizaphis graminum*)

☐

Aphids

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

Other (SPECIFY) \_\_\_\_\_

☐

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

**16D. Exhibit D. Additional Description of the Variety****1) Yield and agronomic information.**

Preliminary yield testing of 25W33 began in the 1990-91 growing season and wide scale testing has been conducted from the 1991-92 growing season to the present. It has shown adaptation to the northern soft white winter wheat regions based on tests conducted in Michigan, Ohio, and Indiana (Table 1).

**2) Information on reaction to major diseases.**

Leaf rust - Very good resistance to prevalent races in the northern soft wheat region.

Powdery mildew - Excellent resistance to prevalent races of powdery mildew in the soft wheat region.

Soil borne mosaic and Wheat spindle streak mosaic viruses - Good resistance to Wheat Spindle Streak Mosaic but moderately susceptible to Wheat Soilborne Mosaic virus.

Fungal leaf blights - Good tolerance to the complex of most common organisms which cause fungal leaf blights, including: *Septoria tritici* leaf blotch, *Stagonospora nodorum* glume blotch, and Tan spot.

**3) Information on reaction to major insects.**

Hessian fly - Susceptible to the predominant biotypes of Hessian fly in the northern soft wheat region. Has screened susceptible to biotypes B, C, E, and L in tests conducted by the Dept. Of Entomology, Purdue University, in conjunction with the USDA-ARS Insect and Weed Control unit.

**4) Information on milling and baking qualities.**

25W33 has demonstrated very good milling and baking qualities (Table 2).

**Table 1.** Varietal yield performance and agronomic characteristics recorded in Pioneer White wheat yield tests during the period 1992-96.

Variety	Grain yield	Test weight	Plant height	Heading date	Winter surviv.	Leaf rust	Powdery mildew	Leaf blight	SSMV	SBMV <sup>+</sup>	Scab	Stem rust
	bu/ac	lb/bu	cm	Jan 1.	1-9 <sup>@</sup>	1-9 <sup>@</sup>	1-9 <sup>@</sup>	1-9 <sup>@</sup>	1-9 <sup>@</sup>	1-9 <sup>@</sup>	1-9 <sup>@</sup>	1-9 <sup>@</sup>
<b>25W33</b>	<b>80.9</b>	<b>55.9</b>	<b>92.5</b>	<b>144.2</b>	<b>6.5</b>	<b>6.3</b>	<b>8.3</b>	<b>6.4</b>	<b>6.8</b>	<b>2.7</b>	<b>6.3</b>	<b>7.0</b>
2548	81.1	57.9	94.7	142.8	6.3	5.7	7.4	5.8	4.3	2.0	6.1	8.0
2555	80.2	56.7	100.6	142.3	5.8	5.7	6.2	5.4	8.0	6.3	3.1	6.0
2737W	79.8	54.8	97.5	143.8	7.7	5.7	6.0	5.6	8.4	7.0	5.1	5.0
Augusta	73.0	53.2	116.8	149.1	6.8	4.7	5.9	5.6	6.8	3.7	5.3	6.0
Harus	74.5	56.6	112.5	146.7	7.0	4.3	6.9	6.2	6.5	2.0	5.5	4.0
lsd(0.05)	3.7	1.4	4.6	0.9	0.9	2.3	0.9	1.2	1.0	1.6	1.1	4.0
# locs.	24	15	4	10	6	2	6	2	4	3	6	1

<sup>@</sup> Scale of 1 to 9, where 9 = excellent or resistant: 1 = poor or susceptible.

<sup>+</sup> Data collected at the University of Illinois SBMV nursery.

Data in the above table gathered at: Ft. Branch, IN; Windfall, IN; Napoleon, OH; Pittsburg, OH; Bucyrus, OH; Blissfield, MI.

**Table 2.** Soft wheat quality data from the Pioneer Quality Lab, Johnston, IA 1992-96.

Variety	Flour yield	Break flr yld	Grain protein	AWRC	Cookie	Top grain	Top grain ab.	# Obs.
	%	%	%	%	cm	1-9 <sup>@</sup>	1-9 <sup>@</sup>	
<b>25W33</b>	<b>70.6</b>	<b>38.0</b>	<b>8.2</b>	<b>55.5</b>	<b>19.2</b>	<b>6.4</b>	<b>5.2</b>	<b>11</b>
2548	69.8	36.0	8.2	57.5	18.6	4.6	4.8	11
2555	72.3	40.8	8.0	55.8	19.8	4.5	7.3	11
2737W	70.6	37.5	7.9	55.4	19.2	5.2	6.0	11
Augusta	69.1	36.1	8.0	53.7	19.6	4.7	6.7	9
Harus	69.3	34.3	8.8	53.7	19.3	5.2	6.1	9

Trait abbreviations used in the above table:

AWRC = Flour Alkaline Water Retention Capacity (%)

Cookie = Cookie diameter in cm.

Top grain = Top grain rating of cookie, 1-9 scale (1=poor, 9=excellent)

Top grain abnorm. = Top grain abnormalities of cookie, 1-9 scale  
(1=narrow valleys, 9=wide valleys)

**16E. Exhibit E. Statement of the Basis of Applicant's Ownership**

The variety, '25W33', for which plant variety protection is sought, was developed by employees of Pioneer Hi-Bred International, Inc., Research and Product Development. By agreement between employees and Pioneer Hi-Bred International, Inc., all rights to any invention, discovery, or development, while an employee, are assigned to Pioneer Hi-Bred International, Inc., with no rights retained by the employee.

Pioneer Hi-Bred International, Inc., Research and Product Development, believes it is the sole, original, and first breeder of 25W33 variety of soft red winter wheat for which it solicits a certification of protection.

The following statements are made in accordance with the Privacy Act of 1974 (P.L. 93-552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

EXHIBIT E  
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S)

Pioneer Hi-Bred International, Inc.

2. TEMPORARY DESIGNATION  
OR EXPERIMENTAL NUMBER

3. VARIETY NAME

25W33

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)

Research and Product Development  
Wheat Research  
3850 N. 100 E.  
Windfall, IN 46076

5. TELEPHONE (include area code)

(765) 945-7906

6. FAX (include area code)

(765) 945-8313

7. PVPO NUMBER

9700350

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain.

☒ YES☐ NO9. Is the applicant (individual or company) a U.S. national or U.S. based company?  
If no, give name of country☒ YES☐ NO10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

☐ YES☐ NO If no, give name of country

b. If original rights to variety were owned by a company, is the original owner(s) a U.S. based company?

☐ YES☐ NO If no, give name of country

11. Additional explanation on ownership (If needed, use reverse for extra space):

## PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

- If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.